

MONTHLY OPERATIONS REPORT

April 2016

Town of Discovery Bay, CA

2436 Days of Safe Operations

110,750 worked hours since last recordable incident

TRAINING:

Safety, Operations, & Equipment

Safety	Hours
West Monthly Regional Safety Webinar	4.0
Weekly Safety Topics	
Confined Space	
Operations	
CWEA exhibit session	10.0
State Water Board workshop Total Coliform	

REPORTS SUBMITTED TO REGULATORY AGENCIES

Monthly Discharge Monitoring Report (DMR)
Monthly electronic State Monitoring Report (eSMR)
Monthly Coliform Report, State Water Board (WD)
Quarterly Discharge Monitoring Report
Quarterly Water Quality Report

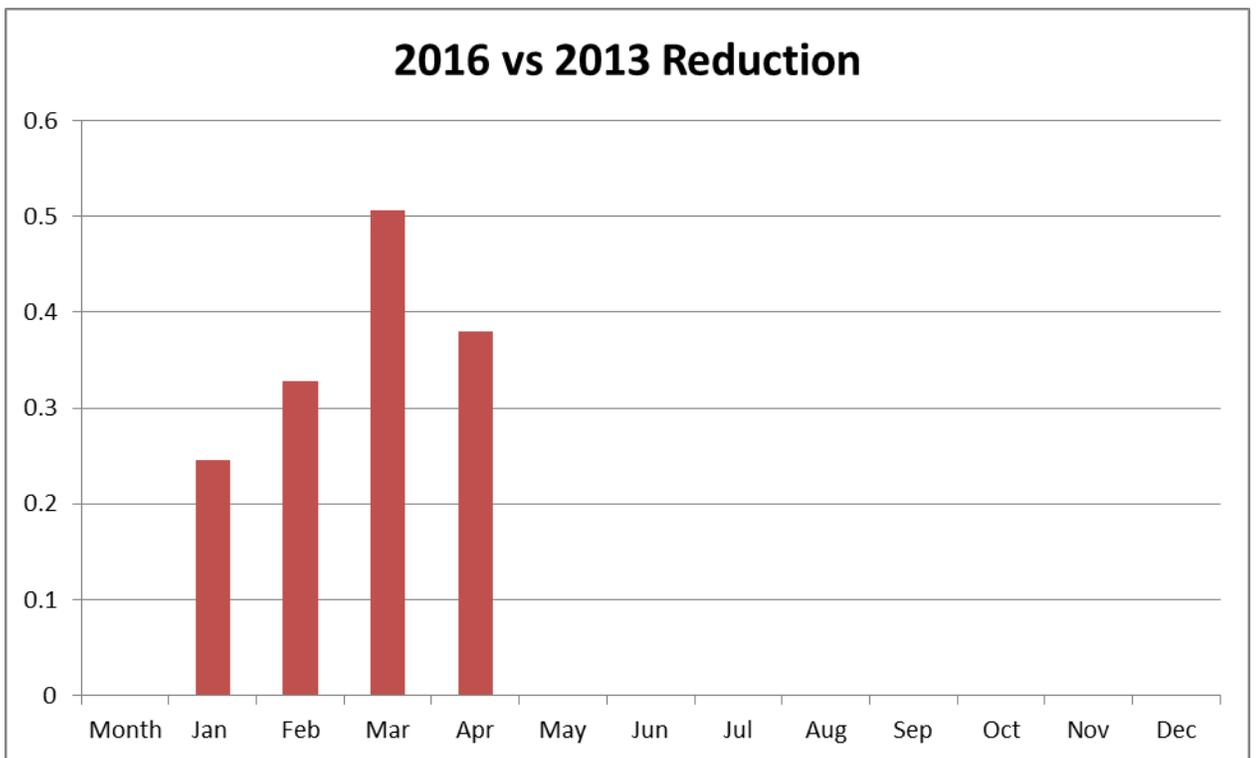
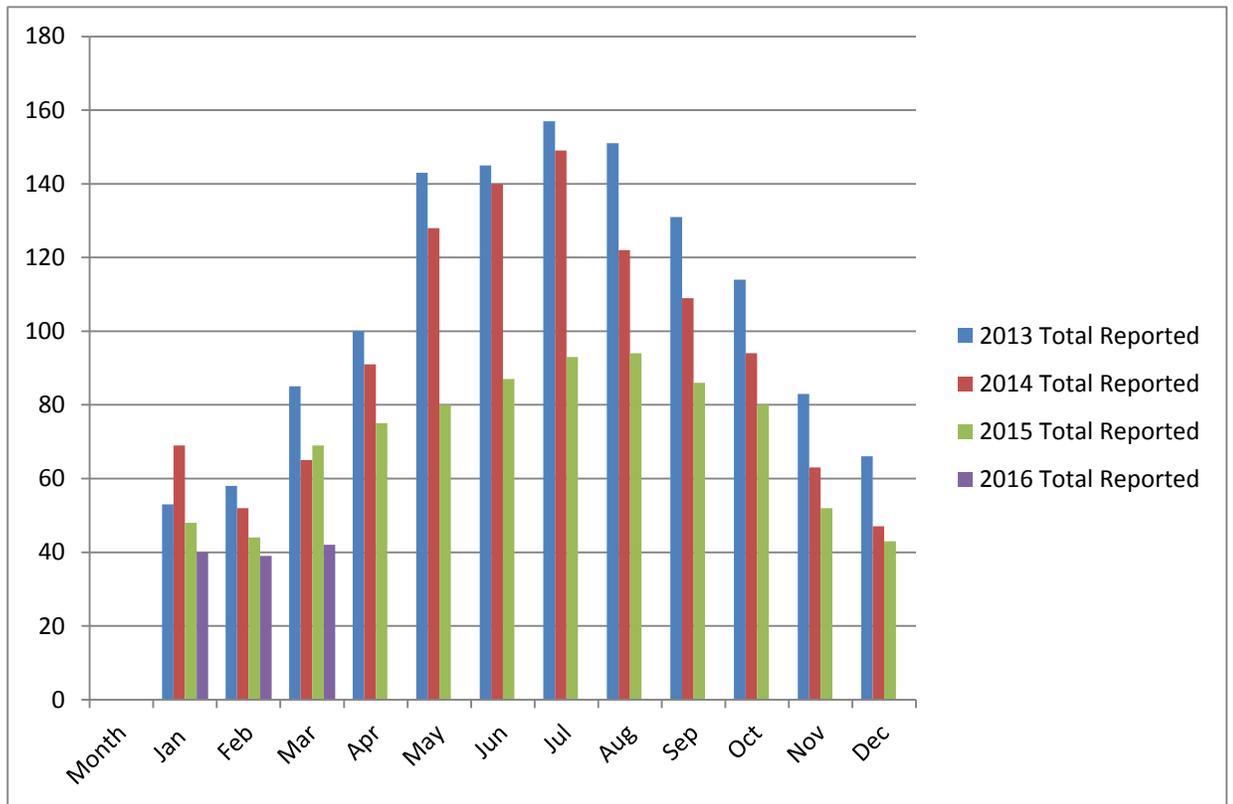
WATER SERVICES

# of Active Wells	Water Produced (MG)	Chemical (Hypo) Delivered	Fire Hydrant Flushing
6	62	2330	0

Note: Well 5 is active, stand by only.

2016 Water Production Table (MG) by Month

January	February	March	April	May	June
40	39	42	62		
July	August	September	October	November	December



Reused Water:

2.0 MG – January

2.2 MG - April

2.2 MG- February

2.5 MG- March

Bacteriological Test Results:

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	Brown Water Calls
16	0	0	0

WASTEWATER SERVICE

Wastewater Laboratory Analysis

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>March Lab Data</i>	<i>April Lab Data</i>
Flow, MG Effluent, monthly total		35	33
Flow, MG Daily Influent Flow, avg.	N/A	1.2	1.2
Flow, MG Daily Discharge Flow, avg.	2.1	1.1	1.1
Effluent BOD ₅ , lbs/d, monthly avg.	350	37	24
Effluent TSS, lbs/d, monthly avg.	525	54	37
Effluent BOD ₅ , mg/L, monthly avg.	20	4	2
Effluent TSS, mg/L, monthly avg.	30	6	4
Total Coli form 7 day Median Max	23	2.9	1.3
Total Coli form Daily Maximum	240	350*	8
% Removal BOD ₅ , monthly avg.	85% min.	98	99
% Removal, TSS, monthly avg.	85% min.	95	98
Electrical Conductivity, umhos/cm annual avg.	2100	2080	2083

Blue – new parameter added

- Bad sample pulled, permit gives 1 over daily max per 30 days.

National Pollution Discharge Elimination System (NPDES)

NPDES Related Excursions	Permit Parameter	NPDES Parameter Limit	Actual Parameter Result
0	N/A	N/A	N/A

Bacteriological Test Results:

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	7-Day Median Excursion
15	0	0	0

# of Active Lift Stations	# of Inactive Lift Stations	SSO	Wastewater Received (MG)
12	0	0	33

COLLECTION:

- Flushing 66,734 ft.
- CCTV 34,086 ft.
- Inspected 168 manhole & covers.
- Performed weekly lift station inspections.

MAINTENANCE:

Preventive and Corrective

Total # of WO's Completed	Total Hours
195	224

Work Order Back-Log

Aging 8 - 30 Days	Aging > 30 Days
25	2

Call & Emergency Responses

Call Outs	Emergencies
6	0

Personnel Hours & Overtime:

Regular Hours	Overtime
1535	42

TERMS

WWTP	WASTEWATER TREATMENT PLANT
WTP	WATER TREATMENT PLANT
WL	WILLOW LAKE
NP	NEWPORT
VFD	VARIABLE FREQUENCY DRIVE
WO	WORK ORDER
PLC	PROGRAMMABLE LOGIC CONTROLLER
L/S	LIFT STATION
SSO	SANITARY SEWER OVERFLOW
BOD	BIOLOGICAL OXYGEN DEMAND
TSS	TOTAL SUSPENDED SOLIDS
MGD	MILLION GALLONS PER DAY
mg/l	MILLIGRAMS PER LITRE
CCTV	CLOSED CIRCUIT TELEVISION
PPM	PARTS PER MILLION
RAS	RETURN ACTIVATED SLUDGE
WAS	WATSE ACTIVATED SLUDGE
UV	ULTRAVIOLET LIGHT